

DEZNER, D.

4130 Structural changes in sodium-butadiene rubber on heating. B. A. DODAYEV and D. PAVLOVA.

"Izledovaniya po Fizika i Khimii Kauchuka i Reziny", 1950, p. 47-68. Heating was carried out in various ways, excluding molecular oxygen. Heating for 90 min up to 160°C in a high vacuum causes no structural change; heating to 170° and above decreases the solubility and increases the strength and elasticity of the rubber. These

changes are observed where heating causes thermal destruction of the molecular chains with liberation of volatile products of decomposition. The change in the physico-chemical properties of the rubber on heating are regarded as the result of incorporation at the double bonds of fragments of molecular chains, i.e. of molecules of free radical character. Spatial structuring is not accompanied by any change in the diameter of the amorphous ring in the X-ray picture. Among the volatile products of thermal decomposition is a crystalline substance with a melting point in *vacuo* of about -38°. There are 11 references.

382D21.6632314

PEVZNER, D

~~Vulcanization of butadiene-styrene rubber in presence of
antioxidant accelerators. B. A. Doradkin, M. Feld-
shin, and D. Pevner. J. Appl. Chem. U.S.S.R. 28, 111
500-10 (1955) (transliteration).—See C.A. 50, 608s.
B.M.R.~~

2

AID P - 1487

Subject : USSR/Chemistry

Card 1/1 Pub. 152 - 12/18

Authors : Dogadkin, B., M. Fel'dshteyn, and D. Pevzner

Title : Vulcanization of butadiene-styrene rubber in the presence of sulfenamide accelerators

Periodical : Zhur. prikl. khim., 28, 5, 533-542, 1955

Abstract : Experiments with benzothiazolesulphenodiethylamide showed that this accelerator exerts a higher vulcanizing action than sulfur. The effect of benzothiazolesulphenamide and of sulfur mixtures is discussed. Eleven diagrams, 5, references, 2 Russian (1947-1953).

Institution : Scientific Research Institute of the Tire Industry.

Submitted : Ag 10, 1953

PEYZNER, D. M.

10848* (Russian.) On the Mechanism of Vulcanization With 2-Mercaptobenzothiazole. ¹⁵mekh. i fiz. khim. 36, 112, Jan. 21, 1962, p. 449-452. ¹⁵

Mercaptobenzothiazole marked by S¹⁴ in the thiazole ring was used. The S¹⁴ was not exchanged in vulcanization with elemental S. The vulcanization was studied in mixtures of natural rubber extracted and precipitated from a solution of butadiene and sodium-butadiene rubber. In the vulcanized sample, the elemental linked S, extracted by means of acetone and entering into the composition of the accelerator, was examined by oxidation of the sample by mixing HNO₃ and Br₂ in the presence of MgO.

Made
4 Feb
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L 00884-66 EWT(m)/EPF(c)/EWP(j) RM

ACCESSION NR: AP5016634

UR/0138/65/000/006/0008/0012
678.043/.044.004.12 337

AUTHORS: Fel'dshteyn, M. S.; Gorelik, M. V.; Pavzner, D. M.; Sakhashchik, L. V.

TITLE: 2-(aminodithio)benzthiazoles as agents and accelerators of vulcanization

SOURCE: Kauchuk i rezina, no. 6, 1965, 8-12

TOPIC TAGS: vulcanization, vulcanizate, aminodithiobenzthiazole, catalyst, vulcanized rubber

ABSTRACT: The investigation was undertaken to substantiate the work of J. G. Lichty, J. O. Cole, A. F. Hardman, et al (Ind. Eng. Chem., Prod., 2, 1, 16, 1963) on 2-(morpholinodithio) benzthiazole (I), and to characterize vulcanizing and catalytic properties of 2-(piperidinodithio) benzthiazole (II). The kinetics of vulcanization and the effect of carbon black and sulfur on the vulcanization were determined and compared with the results produced on N,N'-dithiomorpholine (III). It was found that the action of I and II is similar to that of III. The speed and effectiveness of vulcanization of II and III for sulfur-free rubber mixtures are superior to I and to thiuramdisulfides. In sulfur-containing rubber mixtures, 2-(aminodithio)benzthiazoles act as high-efficiency vulcanizing accelerators. In comparison with 2-benzthiazolsulfenamides, the former yield

L 00884-66

ACCESSION NR: AP5016634

15, 44, 55
vulcanizates from natural rubber and butadiene-styrene synthetic rubber which have greater tensile strength than the latter. The effect of 2-(morpholinedithio) benzthiazole is inferior to sulfenamide-M but similar to sulfenamide-BT. M. I. Shubina collaborated in the experiments. Orig. art. has: 1 table, 7 graphs, and 3 formulas.

44, 55
ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti (Scientific Research Institute for Rubber Tire Industry); Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley (Scientific Research Institute of Organic Intermediates and Dyes)

SUB CODE: OC, G6

SUBMITTED: 00

44, 55
ENCL: 00

NO REF SOV: 004

OTHER: 005

Card 2/2 JP

ACC NR: AP7005627

SOURCE CODE: UR/0413/67/000/002/0085/0085

INVENTOR: Ful'dshteyn, M.S.; Belova, L.N.; Pevzner, D.M.; Gorelik, M.V.

ORG: none

TITLE: Vulcanization process for natural and synthetic rubber. Class 39, No. 190557 [announced by Scientific Research Institute of the Tire Industry (Nauchno-issledovatel'skiy institut shinnoy promyshlennosti)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 85

TOPIC TAGS: vulcanization, natural rubber, synthetic rubber ~~scorching~~

ABSTRACT:

An Author Certificate has been issued for a process for vulcanizing natural and synthetic rubber in the presence of vulcanization accelerators. To improve the stability of rubber mixtures to scorching, the method provides for the use of N-(2-benzothiazolethio)phthalimide as the accelerator. [BO]

SUB CODE: 11, 13/ SUBM DATE: 01Oct65/ ATD PRESS: 5115

Card 1/1

UDC: 678.4.044.47

FEL'DSHTEYN, M.S.; GORELIK, M.V.; PEVZNER, D.M.; SAKHASHCHIK, L.V.

2-aminodithiobenzothiazoles as agents and accelerators of
vulcanization. Kauch. i rez. 24 no.6:8-12 Je '65.

(MIRA 18:7)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti
i Nauchno-issledovatel'skiy institut organicheskikh polupro-
duktov i krasiteley.

Pevzner, D. M.

Distr: (E2c(j))

898. Influence of the composition of the vulcanizing groups and of the kinetics of vulcanization upon the bond strength of phed-up butadiene-styrene vulcanizates. B. A. Dondorov, M. N. Pevnarskiy and G. A. Pevnarskiy. 'Prochnost' Svyazi. . ., 1954, p. 118-30. (Conference of Vses. Khim. Obshch. im. D. I. Mendeleeva, Dec., 1954). Static and dynamic ply separation tests indicate that the highest bond strength is that of the rubber stocks vulcanized with Sulphonamide BT and Santocum. These same stocks give the best mechanical properties. This effect is connected with the fact that the sulphonamide accelerators in the initial stage of vulcanization give an induction period, as a result of which the duration of the viscous flow state is prolonged. In addition, these accelerators form more stable vulcanization bonds, improving the static and dynamic strength of the vulcanizates.

392121MD23.54222T22.0

DM

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2 May
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FEL DISSENT, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 264

[illegible]

1. Baseline - Initial level of inst. to enact progre sistently the socialization

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2244/2207

Residence: 2011.00000, N. 3., Arlington, D. C. and 2000.00000, N. 3., Arlington, D. C.

On the Viscous Motion of Asymmetric Bodies in
Fluids Containing Elastic and Heterogeneous Media

[illegible]

1244: The authors investigated the vulcanizing activity of various thionamides containing piperidine, morpholine or pyrrolidine together with dimethyl- or dimethylamino groups. In addition to the 100 g. of tetramethylthiuramdisulfide, the vulcanization was conducted at 150°C. In addition to the accelerator, 10.0 parts by weight, the mixtures contained 100 parts of natural rubber, 5 parts of S, 5 parts of ZnO, 4 parts of stearic acid and 10 parts of channel carbon black. For butadiene-styrene rubber, 10 parts of S and 50 parts of carbon black were used. The compounds investigated were shown to be highly active accelerators for the natural and synthetic rubbers. In comparison with tetramethylthiuramdisulfide, the compounds with heterocyclic groups imparted to

Card 1/2

On the vulcanizing ...

3/080/62/035/007/011, 013
3244/1907

The factor indicates a considerably greater stability to oxidation vulcanization. The asymmetric thiuramoxiphiles in which the active groups contained two hetero-atoms gave an initial doublet vulcanization unlike that produced by the aliphatic thiuramoxiphiles. There are 3 figures and 2 tables.

ASSOCIATION: Nauchno-issledovatel'skiy institut khimii promyshlennosti (Fire Industry Research Institute)

DATE: May 8, 1961

END

PEVZNER, David Mikhaylovich; PAVLOV, K.V., otv. red.; SHMELEV, A.I.,
red. izd-va; BOLDYREVA, Z.A., tekhn. red.

[Shaft sinker] Prokhodchik shakhtnykh stvolov. Moskva, Gos.
nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 362 p.
(MIRA 15:3)

(Shaft sinking)

EYTINGON, I.I.; FEL'DSHEYN, M.S.; LEVZNER, D.M.

Some heterocyclic N-thiocarbamylsulfenedialkylamides as
vulcanization agents. Zhur.prikl.khim. 34 no.7:1591-1597 J1 '61.
(MIRA 14:7)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti,
Moskva.

(Sulfenamide) (Vulcanization)

15 9130

2209, 1526, 1451

22437
S/080/61/034/007/012/016
D223/D305

AUTHORS: Eytingon, I.I., Fel'dshteyn, M.S., and Pevzner, D.M.

TITLE: The vulcanizing action of some heterocyclic n-thio-carbonylsulpho-dialkylamides

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 7, 1961,
1591 - 1597

TEXT: Dithiocarbomonic acid possesses a high vulcanizing activity and as a rule causes premature vulcanization of resin mixture. It is already known that 2-mercaptobenzothiazol possesses vulcanizing activity which at initial stages of the process is appreciably governed by the nature and number of heteroatoms in the molecule. In this connection, it was interesting to ascertain the effect of heterocyclic groups in N-thiocarbonylsulphodialkylamides on the vulcanizing activity of the latter. With this aim in mind a series of heterocyclic N-thiocarbonylsulphodialkylamides were synthesized containing piperidine, morpholine and piperazine groups. The syn-

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S/080/61/034/007/012/016
D223/D305

The vulcanizing action of ...

thesis of these compounds is characterized by sulphoamide groups
(R' R'')N - C - S - N(R''' R''') (where (R' R'') N-heterocyclic or di-

alkylamine radicals and R''' and R''' - alkyl radical) and it was obtained by the interaction of corresponding piperidine, morpholine and piperazine with sulphocarbons in an alkaline medium with subsequent oxidation condensation of the products of reaction with secondary aliphatic amines. The vulcanizing activity of these compounds was investigated on the mixtures of natural and butadienstyrol (SKS-30 AM) rubbers at a vulcanization temperature of 143°C. To compare the effect of heterocyclic group on the vulcanizing activity of N-thiocarbonylsulphodialkylamides, N,N-diethylthiocarbonylsulphodialkyl amides were chosen. For the natural rubber a typical, unadulterated blend was used containing besides zinc oxide and stearic acid, 3 wt. parts of sulphur. The accelerator used was N,N-diethyl-2-benzotiazolesulphonamide 1.2 wt. parts per 100 wt. parts of rubber. The results on vulcanizing activities are given in graphic form. The results indicate that the vulcanization

Card 2/3

DOGADKIN, B.A.; EYTINGON, I.I.; FEL'DSHTYIN, M.S.; TARASOVA, Z.N.;
TUR'YANOVA, Ye.N.; LIN'YAN TSIN'; KLAUZEN, N.A.; PEVNER, D.M.

Vulcanization of rubber in the presence of aminomethyl derivatives
of 2-mercaptobenzothiazole as accelerators. Koll.zhur. 21 no.4:
427-435 J1-Ag '59. (MIRA 13:8)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti,
Moskva. (Vulcanization) (Benzothiazole)

FEL'DSHTEYN M.S.; EYTINGON, I.I.; PEVZNER, D.M.; STREL'NIKOVA, N.P.;
DOGADKIN, B.A.

Study of a series of derivatives of-mercaptobenzothiazole and
dimethyldithiocarbamic acid as vulcanization accelerators. Kauch.
i rez. 18 no.1:16-21 Ja '59. (MIRA 12:1)

1. Nauchno-issledovatel'skiy institut shinney promyshlennosti.
(Vulcanization) (Benzothiazole) (Carbamic acid)

DOGADEIN, B.A.; FEL'DSHTEYN, M.S.; EYTINGEN, I.I.; PEVZNER, D.M.

Action of some heterocyclic disulfides as agents and accelerators of
vulcanization. Kauch. i rez. 17 no.9:7-12 S '58. (MIRA 11:10)

1.Nauchno-issledovatel'skiy institut shinnoy promyshlennosti.
(Vulcanization) (Sulfides)

SCN 7/10/1971

AUTHORS: Dogadina, B. A.; Fel'dshteyn, A. S.; Eshchenko, I. I.;
Pervanov, G. I.

TITLE: Action of Some Heterocyclic Disulphides as Vulcanization
Agents and Accelerators (Oksistil'nyye sredstva dlya
vulkanizatsii disulfidov. Ispytaniya s krosslinkovymi
vulkanizatsii)

PERIODICAL: Khimicheskii Resheniye, 1971, No. 1, p. 7-11 (USSR)

ABSTRACT: Experiments were carried out on the action of hetero-
cyclic disulphides containing in the molecule $>N-S-S-N<$
bonds, especially N,N'-dimethyldithiopyrrolone (DTM). This
compound was obtained by reacting morpholine with sulphur
dichloride in a dichloroethane solution at 70-80°C in the
presence of alkali. Pure DTM was obtained after distilla-
tion and subsequent crystallization. A percentage
analysis of the product is given. The vulcanization
activity of DTM was investigated in butyl rubber,
rubber SKS-30A, with or without the addition
of fillers, but which did not contain S. 7.4% of DTM
was added to the rubber. The vulcanization kinetics
of a mixture containing sulphur was defined as a base
line. Data on the kinetics of sulphur vulcanization of the
rubber at a vulcanization temperature of 150°C are given.

Card 1/3

Action of Sore Meter Accelerators

in a graph (Fig. 1). Fig. 1: Kinetics of swelling of
rate of swelling of samples containing different
morpholine (1) DTM, DTM - dibenzothiazole (2) DTM
sulphur (3). When sulphur is used as an accelerator
for 10 minutes, the normal vulcanisates are formed.
DTM is used as an oxidising agent and results in a
after 10 minutes (Fig. 2). The effect of DTM on
containing sulphur is graphically shown in Fig. 3.
vulcanising a mixture of DTM in presence of
quantities of 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0
and 1.1 are added. Vulcanisation starts with
DTM and dibenzothiazole disulphide (DBDS). The
sulphur can be vulcanised in 40 - 50 min. under
these optimum conditions are the same as for the
prepared by using sulphurite and sulphur. The
"100" is shown (Fig. 4). Fig. 4: Values of swelling
100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200
and sulphurite ST. Values of swelling 100, 110, 120,
solidity in vulcanisates after heating, 100, 110,
at 100, 110, 120 and 130 are given (Fig. 5).

Card 2/3

action of Some Research in Disinfectants and Antiseptics
Accelerators

SOV/150 10-11/11

addition of 0.1% influence the resistance of the vulcaniz-
ate being treated effectively (Fig. 7). The experi-
ments show conclusively that the addition of 0.1% of the
the properties of the vulcanizate. The results of the
addition of 0.1% of S and N, when using 0.1% of S and N
shown and shown in graphs (Figs. 7 and 8). There are
Figures, 1 Table and 2 References: 1 English, 1 Russian
and 1 German.

ASSOCIATION: Institute of Scientific-Research Institute of the Tyre Industry
nos. 1 (Scientific-Research Institute of the Tyre Industry)

Card 3, 3

PEL'DSHTEYN, M.S.; EYTINGON, I.I.; PEVZNER, D.M.; DOGADKIN, B.A.

Vulcanizing action of heterocyclic disulfides [with summary in English]. Koll. zhur. 20 no.3:288-292 '58. (MIRA 11:8)

1. Nauchno-issledovatel'skiy institut shinnoy promyshlennosti, Moskva.

(Disulfide) (Vulcanization)

01-20-10-11

AUTHORS: Feldshteyn, V.M.; Lyubimov, I.I.; Parzner, L.M.; Lysenko, A.

TITLE: The Vulcanization Action of Some Heterocyclic Disulfides
(Vulkanizuyushcheye deystviye nekotorykh geter tsiklicheskikh
disulfidov)

PERIODICAL: Kolloidnyy zhurnal, 1978, vol.XX, Nr 3, pp 289-295, 289

ABSTRACT: The organic di- and polysulfides are very important for the intensification of technological processes, because they act at the same time as accelerator and as independent vulcanization agents. In the article, heterocyclic disulfides which contain in the molecule $>N-S-S-N<$ bonds are investigated. To these compounds belongs N,N'-dithiodimorpholine. Rubber vulcanized by this substance is resistant to the formation of cracks at frequent deformations with an increase of the corresponding index from 117.5 to 225 cycles, and is also resistant to aging due to the presence of resistant vulcanization bonds. The vulcanization by N,N'-dithiodimorpholine is accompanied by the joining of sulfur and nitrogen. The content of the bound sulfur considerably surpasses the content of bound nitrogen. The vulcanizing action of the

Card 1/2

The Vulcanization Action of Some Heterocyclic Disulfides

stance is regarded as a consequence of the asymmetrical composition of the compound into free radicals. There are 3 graphs and 10 references, 4 of which are Russian and 2 English.

ASSOCIATION: Nauchno-issledovatel'skiy institut shinnoy promyshlennosti
Moskva, Scientific Research Institute of the Tire Industry,
Moscow

SUBMITTED: January 21, 1966

Card 2/2 1. Disulfides—Heterocyclic—Vulcanization

PEVZNER, E., kandidat tekhnicheskikh nauk; MATVEYENKO, V. inzhener.
~~POLTUNOVSKAYA, B.~~ inzhener.

Building machinery and power tools. Stroitel' no.3:16-17 Mr '57.
(Painting, Industrial) (Spray painting) (MIRA 10:4)

T-8

USSR/Human and Animal Physiology - Liver.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31919

Author : Pevzner, E.B.

Inst :

Title : Pathochemical Changes in the Liver During Hemolytic
(Phenylhydrazine) Anemia. (Preliminary Report).

Orig Pub : Zinatnisko rakstu krajums. Rigas med. inst., Sb. nauchn.
rabot. Rzhsk. med. in-t, 1956, vyp. 6, 22-27.

Abstract : No abstract.

Card 1/1

CA

Electrolytic determination of cadmium in lithopone Byall
waste T. I. Belyakov and E. C. Pevzner *Byull.*
Obshch. Spis. Laboratorn. Prom. 1939, Nov. 6, 7, 20-
31.- To 2 g. of slime, add 10 ml. of 7.5 N HNO₃ and heat
until no more oxides of N are evolved. Filter and wash
with hot water. Dil. to 100-150 ml. and deposit Cu and
Pb, with a current of 2 amp. After the removal of the
PbO₂ with a current of 1 amp. filter and make the filtrate
Cu and Pb ppt. Fe with NH₄OH and make the filtrate
neutral to methyl red by adding AcOH and NaOAc. Elec-
trolyze with a Pt cathode and Zn anode. After 5 min.,
add 1 ml. of 0.1 N Na₂S₂O₄ to prevent oxidation of the
deposited Cd. The deposition is complete in 40 min.
David Arlony

David Arlony

PEVZNER, E. D.

Silica brick from high-magnesia-containing (dolomite) lime. H. D. Perng, Gornik Napish, Pabot NABH-18, Indonesia. Test. Spinelite sinter (Mines). Internal. An. Nauk Belorus, S. V. F. Gornik 1954, 70-100; Referral. On the basis of exper. results it is recommended that the high-magnesia lime used for silicate bricks be baked at 3-4 atm. pressure. N. Y. 2.

RONDEL', R.M., dots. kand. tekhn. nauk, otv. red.; ANISHCHENKO,
A.F., kand. tekhn. nauk, dots., red.; PEVZNER, E.D., dots.
kand. tekhn. nauk, red.; NIKOLAYEVICH, V.Ya., dots., red.
GLINKIN, P.I., red.

[Research on construction problems] Issledovaniia po vop-
rosam stroitel'stva. Minsk, Izd-vo M-va vysshego, sred-
nego spetsial'nogo i professional'nogo obrazovaniia BSSR,
1962. 165 p. (MIRA 18:4)

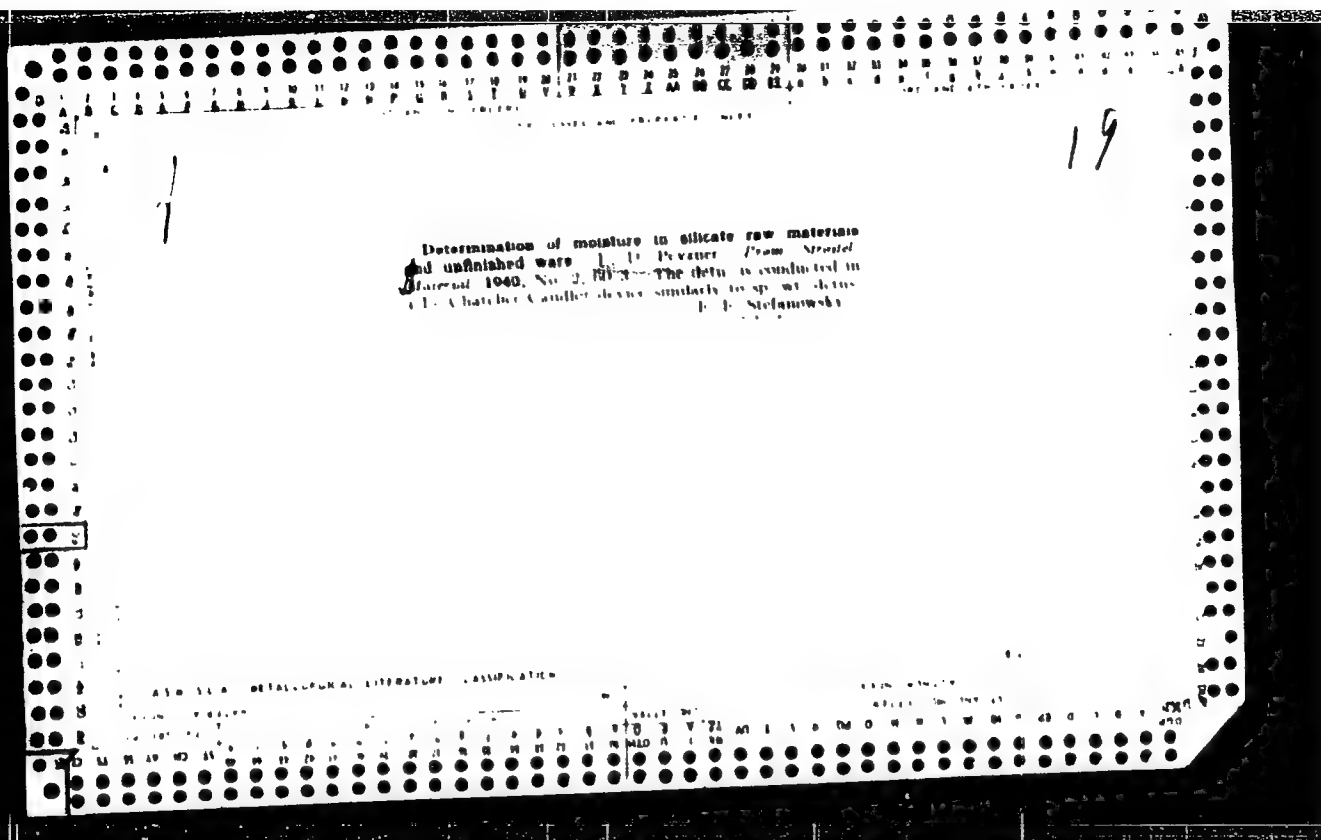
1. Minsk. Belorusskiy politekhicheskii institut.

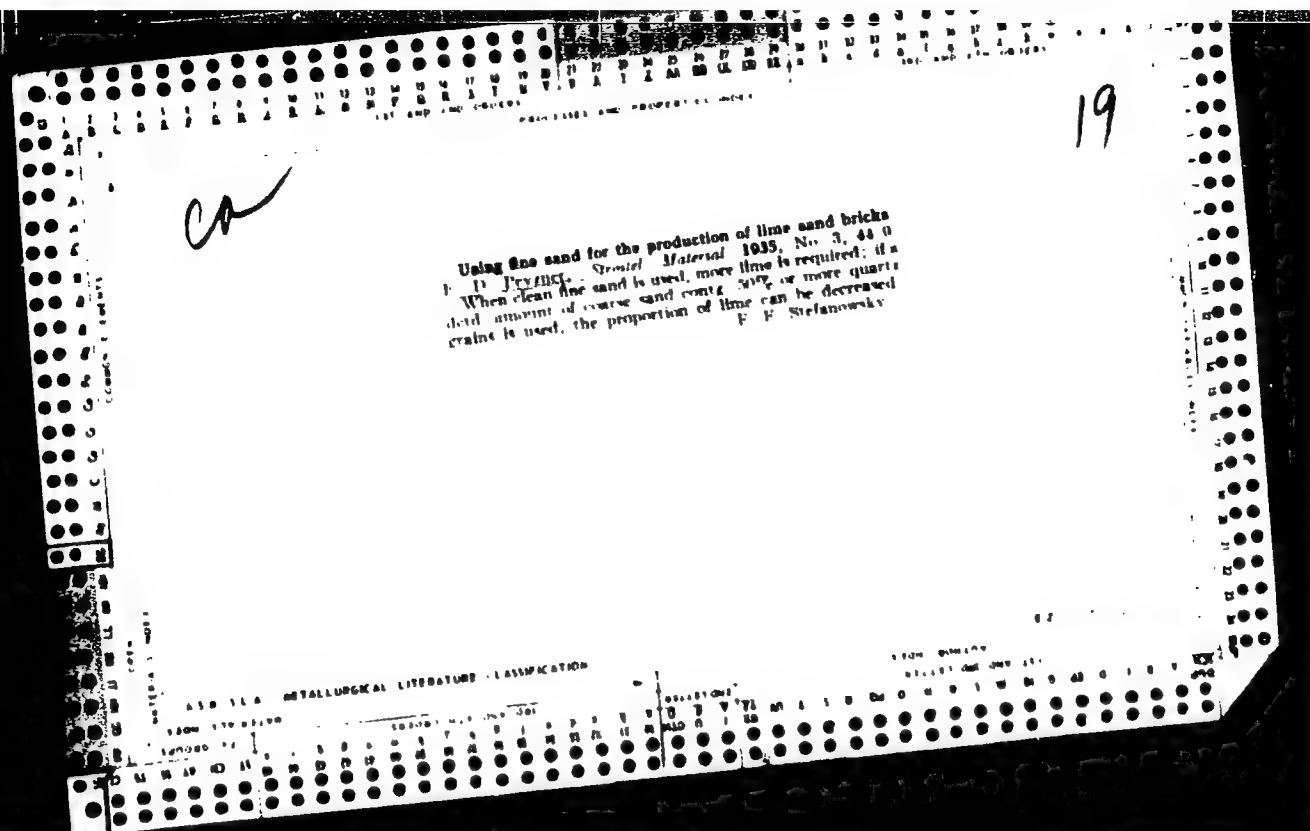
PEVZNER, E.D., kand.tekhn.nauk

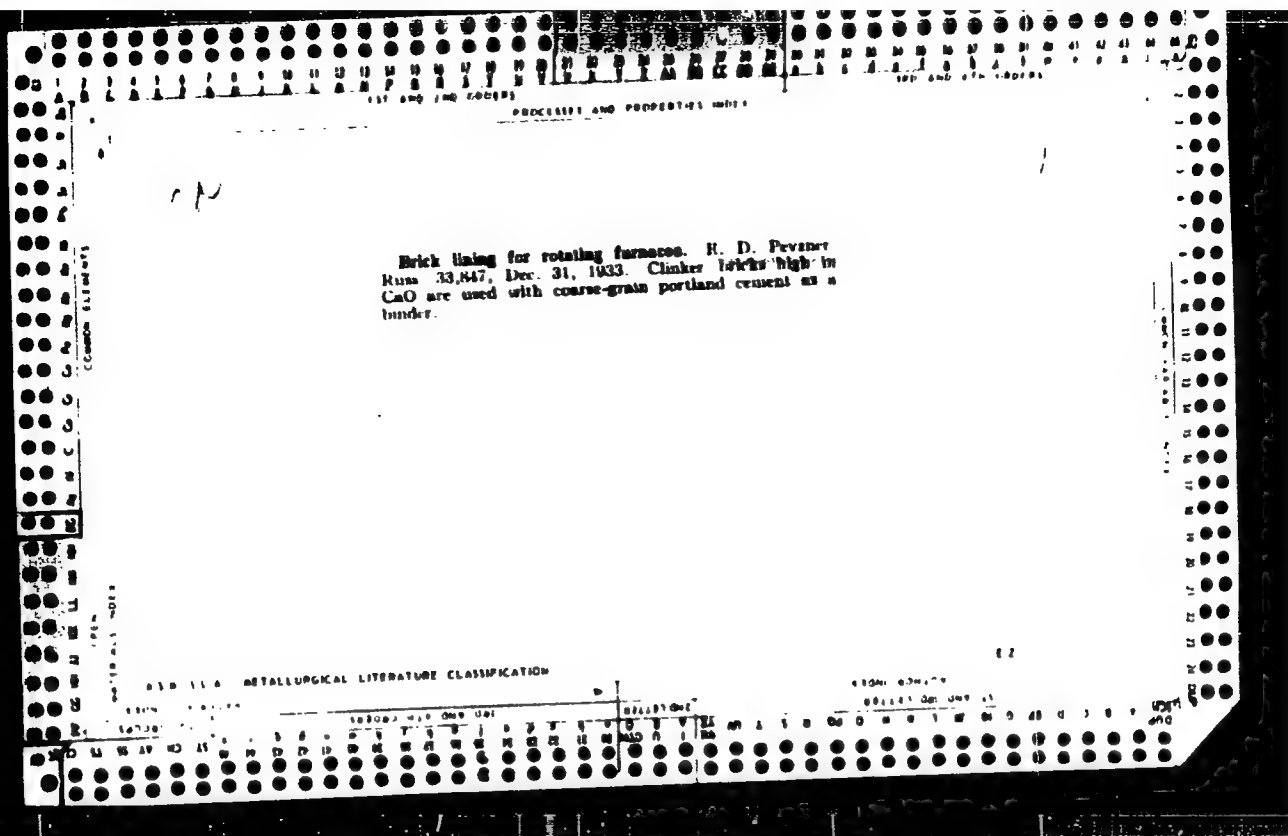
Useful manual ("Technical specifications for producing precast products made of autoclave hardened porous concretes." Reviewed by E.D.Pevzner). Stroi.mat. 5 no.9:39-40 S '59.

(MIRA 12:12)

(Lightweight concrete)







PEVZNER, E.D., kand. tekhn. nauk

Optimal conditions of kilning dolomite lime. Stroil. mat. 9
no.6:10 Je '63. (MIRA 17:8)

PEVZNER, E.D., kand. tekhn. nauk (Minsk)

Raise the lime industry to a modern technical level. Stroi.
mat. 9 no.5:16-17 My '83. (MIKA 16:7)

(Lime industry--Equipment and supplies)

PEVZNER, E.D.; KONTSEVAYA, T.V., red.

[Autoclave-hardened silicate materials made with dolomitic lime]
Silikatnye avtoklavnye materialy na dolomitovoi izvesti. Minsk,
Red.-izd.otdel VPI im.I.V.Stalina, 1959. 20 p. (MIRA 13:3)
(Building materials)

BARTASHEVICH, A.A.; KUCHUR, Ye.S.; PEVZNER, E.D.

Reinforced concrete loads for wheeled tractors. Trakt. i sel'-
khormash. 33 no.7:43 J1 '63. (MIRA 16:11)

1. Belorusskiy politekhnicheskii institut.

ATAYEV, S.S., kand.tekhn.nauk; ZALOGO, V.P., inzh.; KOROBOCHKIN, M.A.,
inzh.; PEVZNER, E.D., kand.tekhn.nauk; ROGOVIN, Ya.A., inzh.;
RAKUT', B.A., inzh.; RUBIN, V.I., inzh.; TIRKEL'TAUB, I.D.,
inzh.; FROLOV, N.P., kand.tekhn.nauk; YANKOVSKIY, I.P., inzh.;
MOROGOVSKIY, V.M., inzh., retsenzent; ZHIZHEL', I.M., inzh.,
red.; KAZACHENK, G.A., red.; GOLUBTSOVA, P., red.; STEPANOVA,
N., tekhn.red.

[Builder's handbook] Spravochnik masters-stroitel'ia. Izd.4.,
perer. i dop. Minsk, Gos.izd-vo BSSR. Red.nauchno-tekhn.
lit-ry, 1959. 659 p. (MIRA 13:1)

1. White Russia. Ministerstvo gorodskogo i sel'skogo stroitel'-
stva.

(Building)

PEVZNER, E.D., kand. tekhn. nauk; RAZAYEVA, L.A., mladshiy nauchnyy sotrudnik
KURLYANDSKAYA, S.B., inzh.; POPOVA, V.D., inzh.

Making autoclave-hardened silicate products at the Minsk combine
of large-bloc construction elements. Stroi. mat. 5 no.10:22-23
O '59. (MIRA 13:2)

(Minsk--Silicates) (Building blocks)

BASS-SHADKHAN, Kh.F.; PEVZNER, E.B.

New method of hydrolysis for combined forms of vitamin B6 with
an enzymatic preparation from *Aspergillus ovyzae*. Vop. pit. 19
no. 5:53-57 8-0 '60. (MIRA 14:2)

1. Iz sektora obmena veshchestv i pitaniya (zav. - akademik AN
Latviyskoy SSR A.A. Shmidt) Instituta eksperimental'noy meditsiny
AN Latviyskoy SSR i iz kafedry patologicheskoy fiziologii
(ispolnyayushchiy obyazannosti zaveduyushchego - kand.med.nauk
M.A. Kalnynya [Kalnina, M.]) Rzhskogo meditsinskogo instituta.
(VITAMINS—B) (ASPERGILLUS)

L 1069-66 EWT(d)/EWT(1)/KED-2

ACCESSION NR: AR5008936

UR /0274/65/000/002/A021/A021
621.372.54:621.396.668

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz'. Svodnyy tom, Abs. 2A85

AUTHOR: Pevanov, F. A.

TITLE: Some peculiarities in the operation of an automatic phase control with a high-pass filter

CITED SOURCE: Tr. po radiotekhn., elektrotekhn. i energ. Gor'kovsk. politekh. in-t, v. 20, no. 2, 1964, 63-66

TOPIC TAGS: automatic phase control, APC

TRANSLATION: A system of automatic phase control (APC) with an CR-filter in the error-signal transmission loop is considered; it is demonstrated that such a filter creates a new quality in the phase APC. An equation is developed which connects the circuit parameter with the present phase difference $\varphi(t)$ applied to a phase detector from the generators under the condition that both the detector and the controllable generator are inertialess. The equation for the interval $\pi > \varphi(t) > 0$ has this form:

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L 1069-66

ACCESSION NR: AR5008936

$$\varphi(t) = \frac{\pi \Omega T}{2(1 + \Omega T)} + \frac{\varphi(0)}{1 + \Omega T} + \frac{\Omega T}{(1 + \Omega T)^2} \Delta \omega + \frac{\Delta \omega}{1 + \Omega T} t + A(t),$$

$$\text{where } A(t) = \frac{\Omega T}{1 + \Omega T} \left[\frac{\pi}{2} - \varphi(0) + \frac{\Delta \omega T}{1 + \Omega T} \right] e^{-\frac{1 + \Omega T}{T} t};$$

T is the filter time constant, $\varphi(0)$ is the phase difference between the generators at the moment $t = 0$; $\Delta \omega$ is the phase difference of the generator with open feedback loop, $\Omega = \frac{2}{\pi} US$; S is the slope of the generator-control-element characteristic, and U is the maximum output voltage of the phase detector.

In addition to constant terms, the equation contains a linearly rising term $\frac{\Delta \omega}{1 + \Omega T} t$ and an exponentially falling term $A(t)$. In this connection, the phase difference does not remain constant after locking. With $\Delta \omega < 0$, it continuously decreases, and with $\Delta \omega > 0$, it first decreases and then increases which causes out-of-step conditions. The above fact permits utilisation of the high-pass circuit for pulse work only. The exponential term makes the circuit operation quasi-stationary, while the circuit, unlike conventional APC circuits, controls the frequency with a constant difference $\frac{\Delta \omega}{1 + \Omega T}$ and is a static automatic-

Card 2/3

L 1069-66

ACCESSION NR: AR5008936

control system. The concept of holding band does not completely characterise the permissible detuning of the system upon the locking. This detuning can be better characterized by $\Delta\omega = \frac{\pi}{2} \frac{\Omega T}{T + \tau}$ referred to as an active holding band. Here:

T is the duration of the working pulse; t_1 is the moment of introducing the detuning upon the locking. As the introduced filter partly differentiates the error signal, the above system can be called a phase-differential automatic control system. Bibl. 3. Fig. 1.

SUB CODE: IE, EC

ENCL: 00

Card 3/3 *DP*

DEVLENER, P.A.

Phase frequency trim system with a dividing condenser in the
feedback loop. Izv. vuz. ucheb. zav. radiotekh. 7 1964. 176
105 Ja-F'64.

L 25756-65 EED-2/EEO-2/EWT(d)
ACCESSION NR: AP5002042

S/0142/64/007/005/0622/0624

AUTHOR: Pevzner, F. A.

TITLE: Controlling the oscillator frequency by an automatic-phase-control circuit that has a separative capacitor in its feedback loop

SOURCE: IVUZ. Radiotekhnika, v. 7, no. 5, 1964, 622-624

TOPIC TAGS: automatic frequency control 4

ABSTRACT: This is a supplement to the author's earlier article (IVUZ. Radiotekhnika, 1964, v. 7, no. 1, p. 108). It is theoretically proven that the introduction of a high-pass CR-filter into the feedback loop results (under linear FM conditions) in linearly growing frequency tracking error $\eta t / \Omega T$, where η is the rate of frequency change and t is the time moment in question. By properly selecting $\Omega = \frac{2}{\pi}$ USK and T , (filter time constant), this error may be minimized.

Card 1/2

L 25756-65

ACCESSION NR: AP5002042

With $\tau \ll 2T$, the CR-filter practically will not reduce the maximum permissible rate of linear FM; $\tau = t$. Orig. art. has: 2 figures and 12 formulas.

ASSOCIATION: none

SUBMITTED: 25Sep62

ENCL: 00

SUB CODE: EC

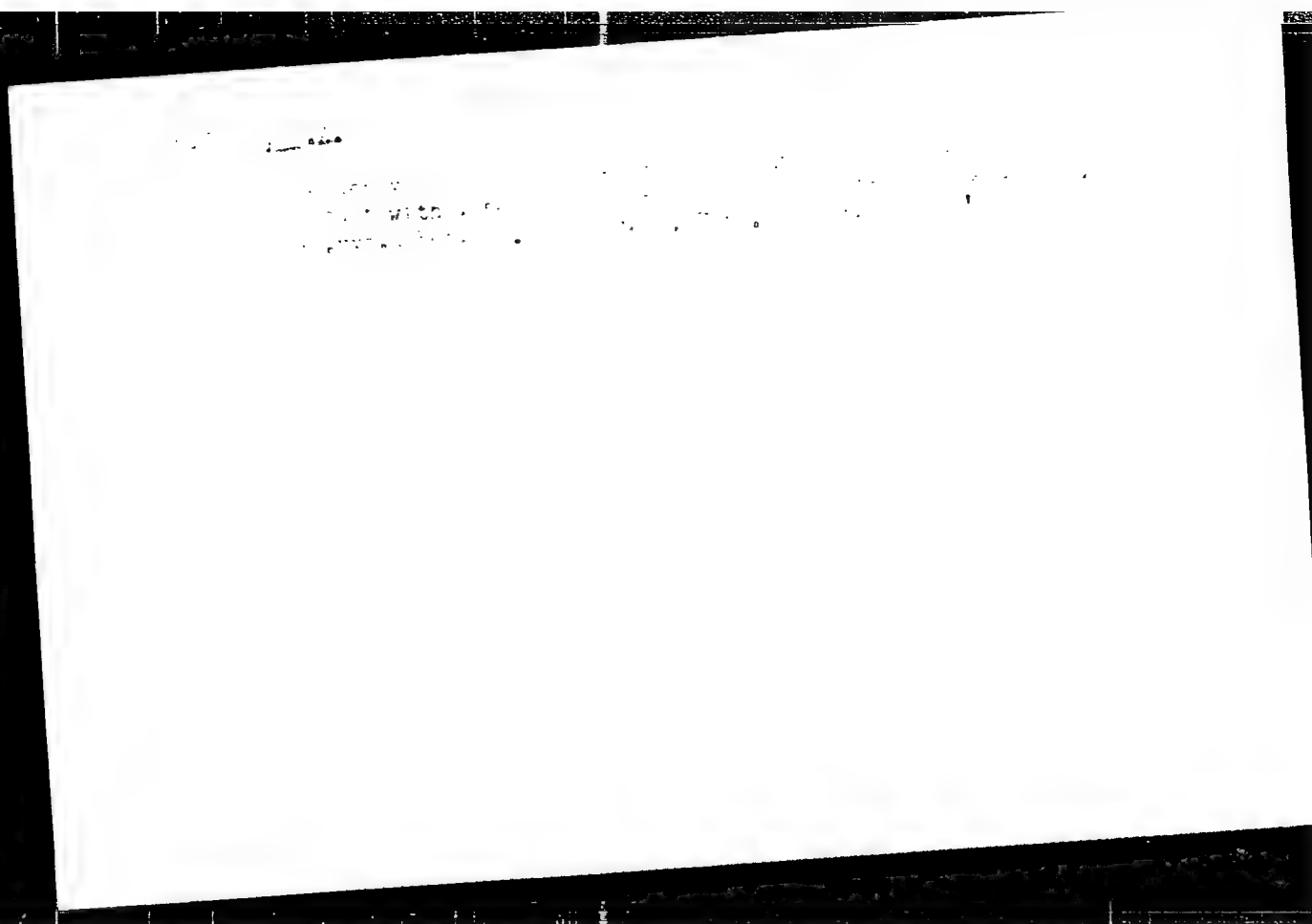
NO REF SOV: 001

OTHER: 000

Card 2/2

"APPROVED FOR RELEASE: 06/15/2000

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APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001240710017-8"

L 31068-65 EEO-2/ENT(d)/EED-2

ACCESSION NR: AR5004863

S/0058/64/000/011/H006/H006

SOURCE: Ref. zh. Fizika, Abs. 11Zh37

23
B

AUTHORS: Pevzner, F. A.

TITLE: Some singularities of the operation of an automatic phase control system with high-pass filter

CITED SOURCE: Tr. po radiotekhn., elektrotekhn. i energ. Gor'kovsk. polit'ekhn.
in-t, v. 20, no. 2, 1964, 63-66

TOPIC TAGS: synchronization, high pass filter, frequency lock in, frequency control, automatic frequency control, phase lock, phase control

TRANSLATION: A theoretical study is made of the characteristic of an automatic phase control system with a high-pass CR filter in the error-signal transmission loop; it is shown that such a filter produces qualitatively a new system of automatic phase control of the frequency. An equation is derived, relating the parameters of the circuit with the running phase difference of the oscillations fed to the phase detector (PD) from the generators, under the condition that the detector

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L 31068-65

ACCESSION NR: AR5004863

and the controlled generator have no time delay. The equation for the interval $\pi > \varphi(t) > 0$ is of the form

$$\varphi(t) = \frac{\pi \Omega}{2(1 + \Omega T)} + \frac{\varphi(0)}{1 + \Omega T} + \frac{\Omega T}{(1 + \Omega T)^2} \Delta \omega + \frac{\Delta \omega}{1 + \Omega T} + A(t),$$

where

$$A(t) = \frac{\Omega T}{1 + \Omega T} \left[\frac{\pi}{2} - \varphi(0) + \frac{\Delta \omega T}{1 + \Omega T} \right] \exp \left(-\frac{1 + \Omega T}{T} t \right);$$

T -- time constant of the filter; $\varphi(0)$ -- phase difference of the oscillations of the generators at the instant of time $t = 0$; $\Delta \omega$ -- difference in the generator frequency with the feedback loop open; $\Omega = 2US/\pi$ (S -- slope of the characteristic of the generator control element, and U -- maximum output voltage of the PD). It is seen from the equation that it contains besides the constant terms a linearly growing term $\Delta \omega t / (1 + \Omega T)$ and an exponentially decreasing term $A(t)$. In this connection, the phase difference does not remain constant after lock-in. When $\Delta \omega < 0$ it decreases continuously, and when $\Delta \omega > 0$ it first decreases and then increases, so that loss of synchronism results. This singularity makes it possible to use the

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L 31068-65

ACCESSION NR: AR5004863

0
circuit with the high-pass filter only in the pulsed mode. Owing to the exponential term, the operating mode of the circuit is quasistationary, and the circuit itself, unlike ordinary automatic phase control circuits, effects a frequency adjustment with a constant difference $\Delta\omega/(1+RT)$ and is a static automatic-control system.
L. Subbotin.

SUB CODE: EC

ENCL: 00

Card 3/3

ACCESSION NR: AP4024494

S/0142/64/007/001/0103/0105

AUTHOR: Pevzner, F. A.

TITLE: Automatic phase control system with decoupling capacitor in the feedback loop

SOURCE: IVUZ. Radiotekhnika, v. 7, no. 1, 1964, 103-105

TOPIC TAGS: automatic phase control, pulse generator, phase control feedback loop, static control system, generator frequency deviation, high pass filter, error signal differentiation, residual frequency difference

ABSTRACT: It is shown that addition of a capacitor to an automatic phase control system for a pulse generator makes the control system static with respect to the generator frequency deviation. This is caused by the fact that the capacitor together with the remaining circuit elements forms a high-pass filter and effects partial differentiation of the error signal. By suitable choice of the open-loop frequency difference and of the time constant of the high-pass filter it is possible to reduce the residual frequency difference to an arbitrarily low value. For example, for an initial detuning of 10 Mcs and for $\alpha\tau_1 = 10^4 - 10^5$

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ACCESSION NR: AP4024494

(Ω -frequency, T_1 - high-pass filter time constant) the residual error will change between 100 and 1,000 cps. Orig. art. has: 2 figures and 11 formulas.

ASSOCIATION: None.

SUBMITTED: 11Sep62

DATE ACQ: 15Apr64

ENCL: 01

SUB CODE: GE, SD

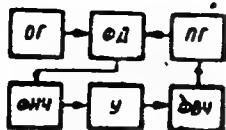
NR REF SOV: 002

OTHER: 000

Card 2/3

ACCESSION NR: AP4024494

ENCLOSURE: 01



Block diagram of automatic phase control with high-pass filter.

OG - reference generator

ΦД - phase detector

ФНЧ - low pass filter

Y - amplifier

ФВЧ - high pass filter

НГ - tuned oscillator

Card 3/3

PEVZNER, F. V.

U S R A

Hydrolyzability of dihalogen dicarboxylate esters by true and pseudocholinesterases. F. V. Pevzner (I. P. Pavlov Med. Inst., Leningrad). *Farmakol. i Toksikol.* 18, No. 2, 37-31 (1985).—All dihalogen dicarboxylate esters are hydrolyzed much faster by the pseudocholinesterase of equine blood serum than by the true bovine cholinesterase. The rate is triple that of acetylcholine for the substrate ester and 11-fold for the succinate diester, all in tests with the equine enzyme. The rate difference increases with dicarboxylate chain length, in comparing the pseudo and true enzymes; the equine enzyme hydrolyzes the diphenyl diester 475 times faster than does the bovine enzyme. The difference can be used as a test; presence of the bovine enzyme does not affect the activity of the equine enzyme. *Index: F. V. Pevzner*

MYSLYAYEVA, A.V., kand. med. nauk; ZAKHVATKINA, I.A.; SVERDLOV, S.L.;
 ANDREYEV, I.D., dotsent; GENADIN'IK, I.S., kand. med. nauk;
 KUZNETSOV, A.A., NIKOLAYEVA, G.V., prof.; SILAKOVA, V.V., dotsent;
 SHAMLYAN, N.P.; FRIDMAN, M.N., dotsent; GORBYLEV, M.I.; SIGAL,
 Ye.S., zasluzhennyy vrach RSFSR; KHOLOPOVA, L.I.; GABOV, A.A.;
 LILEYEV, V.A.; MAKAREVICH, Ya.A., kand. med. nauk; SHELEPIN, A.S.;
 SHMELEV, M.M.; PEVZNER, G.I.; SILAYEV, Yu.S.

Abstracts. Sovet. med. 27 no.6:140-145 Je'63 (MIRA 17:2)

1. Iz kafedry propedevtiki ~~vnutrennikh~~ bolezney i patologicheskoy anatomii Kazakhskogo meditsinskogo instituta (for Myslyayeva, Zakhvatkina). 2. Iz Novozybkovskoy mezhrayonnoy bol'nitsy Bryanskoy oblasti (for. Sverdlov). 3. Iz kafedry normal'noy anatomii II Moskovskogo meditsinskogo instituta (for Andreyev).
4. Iz kafedry obshchey khirurgii i kafedry rentgenologii Chelyabinskogo meditsinskogo instituta (for Genadinnik, Kuznetsov). 5. Iz kafedry propedevticheskoy terapii Ivanovskogo meditsinskogo instituta (for Nikolayeva, Silakova). 6. Iz Lovozerskoy rayonnoy bol'nitsy Murmanskoy oblasti (for Shamlyan).
7. Iz kafedry hospital'noy terapii Bashkir'skogo meditsinskogo instituta i terapevticheskogo otdeleniya ~~8-oy~~ bol'nitsy (for

(Continued on next card)

PEVZNER, G.I.

Diagnosis and clinical aspects of acute idiopathic pericarditis.
Sov. med. 27 no.1:54-56 Ja '64. (MIRA 17:12

PEVZNER, G.I.

Idiosyncrasy toward analgin. Zdrav. Belor. 5 no.10:71-72 0 '99.
(MIRA 13:2)

1. Iz voyennogo gosпитalya (nachal'nik gosпитalya N.A. Reznikov).
(NOVALGIN)

KAZBERYUK, N.A.; LITVINOVA, Z.I.; SADOVNIKOVA, R.N.; PEVZNER, G.L.

Experience in using dry living tularemia vaccine and tularin for
allergy skin tests. Zhur.mikrobiol.epid. i immun. 27 no.6:58-61
Je '56. (MLRA 9:8)

1. Iz Ryazanskogo meditsinskogo instituta imeni akademika I.P.
Pavlova. Oblastnoy protivotulyaremiynoy stantsii i Chapayevskoy
rayonnoy sanitarno-epidemiologicheskoy stantsii.

(TULAREMIA, immunol.

vaccine, dry living, use in determ of allergic skin
reaction)

(VACCINES AND VACCINATION

tularemia dry living vaccine use in determ of allergic
skin reaction)

(ALLERGY, etiol. and pathogen.

to dry living tularemia vaccine)

PEVZNER, Grigoriy Lezarevich; KHOLODOV, M.V., otv.red.; LIBERMAN, S.S.,
red.izd-va; ANDREYEV, S.P., tekhn.red.

[Mechanized accounting of technical and economic indices in
metallurgy] Mekhanizatsiya ucheta tekhniko-ekonomicheskikh
pokazatelei metallurgicheskogo proizvodstva. Khar'kov, Gos.
nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii,
1959. 215 p. (MIRA 12:9)

(Machine accounting)
(Punched card systems--Metallurgy)

PAZIRUK, K. I., PEVZNER, G. M.; KUROCHITSKIY, Ch. K.

Newly designed machines and equipment for the starch industry.
Trudy TSNIIKPP no. 3:188-233 '59. (MIRA 13:9)
(Starch industry—Equipment and supplies)

PAZIRUK, K.I.; PEVZNER, G.M.

"Modern industrial centrifuges," by V.I.Sokolov. Reviewed by
K.I.Paziruk, G.M.Pevzner. Sakh.prom. 36 no.4:75-76 Ap '62.
(MIRA 15:5)

(Centrifuges) (Sokolov, V.I.)

PHASE I BOOK EXPLOITATION SOV/5460

Leningradskiy metallicheskiy zavod. Otdel tekhnicheskoy informatsii.
Nekotoryye voprosy tekhnologii proizvodstva turbin (Certain Problems
in the Manufacture of Turbines) Moscow, Mashgiz, 1960. 398 p.
(Series: Its: Trudy, vyp. 7) Errata slip inserted. 2,100 copies
printed.

Sponsoring Agency: NPPSR. Sovet narodnogo khozyaystva Leningrad-
skogo ekonomicheskogo administrativnogo rayona, Upravleniye
tyazhologo mashinostroyeniya, and Leningradskiy dvazhdy ordena
Lenina metallicheskiy zavod. Otdel tekhnicheskoy informatsii.

Ed. (Title page): G. A. Drobilko; Editorial Board: Resp. Ed.: G. A.
Drobilko, B. A. Glebov, A. M. Koyzel, and H. Kh. Kurnik; Tech.
Ed.: A. I. Kontorovich; Managing Ed. for Literature on Machine-
Building Technology: Ye. P. Naumov, Engineer, Leningrad Depart-
ment, Mashgiz.

PURPOSE: This collection of articles is intended for technical
personnel in turbine plants, institutes, planning organizations,
as well as for production innovators.
Card-1/12

Certain Problems (Cont.)

SOV/5460

COVERAGE: The experience of the LMZ (Leningradskiy metallicheskiy zavod - Leningrad Metalworking Plant) in the manufacture of modern large-capacity turbines is presented. Methods for the rationalization of basic manufacturing processes and for the mechanization and automation of manual operations are given. Descriptions of attachments and tools designed by LMZ for improving labor productivity and product quality are provided, and advanced inspection methods discussed. References accompany some articles. No personalities are mentioned. There are 26 references: 25 Soviet and 1 English.

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Foreword

I. NEW PROCESSING METHODS IN MACHINING
AND ASSEMBLY

Ganze, Z. M. [Engineer]. The Organization, Methods, and Trends in Efforts for Improving the Easy Manufacturability of Designs for Large Hydraulic Turbines
Card 2/12

3

5

Certain Problems (Cont.)

SOV/5460

- Gonserovskaya, T. S. [Engineer]. The Welding of Turbine-Wheel Blade Packs and Nozzle Segments Made of Type 15Kh11MF Steel 254
- Gonserovskiy, F. G. [Engineer]. The Effect of Process Factors on the Quality of Austenitic [Steel] Welds 261
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- Feygin, L. A. [Engineer]. Induction Heating of Parts by Industrial-Frequency Current 293
- Butkevich, P. I. [Engineer], and G. A. Sazonov. Iron Plating Card 8/12

SHTYRKOV, Ye.A.; PEVZNER, G.M.

Standard technological flow sheets of potato starch manufacture. Sakh.prom. 36 no.9:52-57 S '62. (MIKA 16:11)

1. Tsentral'nyy nauchno-issledovatel'skiy institut krakhmalo-pa-
tochnoy promyshlennosti.

PEVZNER, G. M., insh.

BSS-100 jet reels. Trudy TSHIKPP no.3:262-283 '59.
(MIRA 13:9)
(Starch industry—Equipment and supplies)

PEVZNER, G.M.

Use of centrifugal screen separators. Sakh.prom. 33 no.12:43-49
D '59. (MIRA 13:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut krakhsyalopatohnoy
promyshlennosti.

(Starch industry--Equipment and supplies)
(Separators (Machines))

PEVZNER, G.M.; RIKHTER, V.A.

Battery hydrocyclones in the manufacture of potato-starch. Sakh.
prom. 33 no.5:53-57 My '59. (MIRA 12:7)

1. TSentral'nyy nauchno-issledovatel'skiy institut krakhsal'no-
patochnoy promyshlennosti.
(Starch industry—Equipment and supplies)
(Separators (Machines))

TRUBAEV, Petr Ivanovich. KRYSTAL. I. Tenuiz li'ich; IVAN V.
... , stv. red.; KRYSTAL, G.Ye., ...

[Normal and dislocation growth of crystals of certain non-
ferrous metals] Normal'nyi i dislokatsionnyi rost kristal-
lov nekotorykh tsvetnykh metallov. Moskva, Nauka, 1965.
158 p. (MIRA 18:8)

TERENT'YEV, V.I., kand. tekhn. nauk, otv. red.; FLEVNER, G.Ye.,
red.

[Technology of the underground mining and dressing of
iron quartzite from the Kursk Magnetic Anomaly] Tekhnolo-
giya podzemnoi dobychi i obogashchenia zhelezistykh
kvartsitov KMA. Moskv., Izd-vo "Nauka," 1974. 114 p.
(MIRA 17:)

1. Nauchno issledovatel'skiy institut po problemam Kurskoy
Magnetnoy Anomalii. Gl. redaktora L.P. Shevjakova.

PEVZNER, G.Ye.

Kuznetsk Metallurgical Combine Information Bulletin Nos. 5-6(35-36),
1958. Zav.lab. 25 no.2:251-252 ' 59. (MIRA 12:3)
(Stalinsk--Metallurgy--Periodicals)

TERENT'YEV, V.I., kand. tekhn. nauk, otv. red.; MAKOVSKIY, G.M.,
red.; PEVZNEA, G.Ye., red.izd-va; GUS'KOVA, O.M.,
tekhn. red.

[Geology, mineralogy and engineering geology of the Kursk
Magnetic Anomaly] Geologiya, mineralogiia i inzhenernaia
geologii KMA. Moskva, Izd-vo AN SSSR, 1963. 140 p.
(MIRA 17:2)

1. Gubkin. Institut po problemam KMA.

KEBADZE, N.I.[deceased]; Primal uchastiye BULEISHVILI, D.A., kand.
geol.-miner. nauk; TAVADZE, F.N., otv. red.; RUBINSHTEYN,
M.M., kand. geol.-miner. nauk, red.; PEVZNER, G.Ye., red.;
KONDRAT'YEVA, V.I., red.; BANKVITSER, A.L., red.; ASTAF'YEVA,
G.A., tekhn. red.

[Natural resources of the Georgian S.S.R.] Prirodnye resursy
Gruzinskoy SSR. Moskva, Vol.5.[Fuel resources] Toplivnye
resursy. 1963. 271 p. (MIRA 16:8)

i. Akademiya nauk Gruzinskoy SSR. Tiflis. Sovet po izuche-
niyu proizvoditel'nykh sil.
(Georgia—Coal geology) (Georgia—Peat)
(Georgia—Petroleum geology)

18(0,
AUCMCA:

Pevzner, G. Ye.

TITLE:

Review and Bibliography "Kuznetsk Metallurgical Kombinat" (35-46).
(Kuznetsky metallurg. kombinat. Informatsionnyy byulleten' No 5, 6 (1976)).

ABSTRACT:

Kavodskaya laboratoriya.

ABSTRACT:

An information bulletin was published by the Kuznetsk Metallurgical Kombinat. It covers the research activities of 55 different subjects were dealt with at the Kombinat. The main areas of investigation are: metallurgy, production of pig iron, already being used in the production of steel, 4,350,000 rouble was expended for research and development, application of the findings of the production, 21,000,000 rouble. The investigations carried out in the processing of mineral raw materials in the Kombinat. The factories are of particular importance. The results of the work carried out in the field of construction, production of connection with steel works in the Kombinat.

Data 1/1

Kuznetsov

... of the ...
... hold ...
... the hold ...
... carried out in the course ...
... rolling. In ...
... connection with ...
... Shch17Yu (17-2). In ...
... isotopes were used, as in the ...
... 20K-steel castings of the ...
... A ionization-radiation detector was ...
... of the applicability of ultrasonic waves in the ...
... the metal structure, and the dispersion ...
... was investigated electron diffraction and ...
... Moreover, X-ray structural investigations of ...
... Shch17Yu were carried out. Photocolorimetric and ...
... graphical methods were developed as well as a new ...
... the determination of 2-2.5% of molybdenum in ...
... based on the measurement of the optical density ...
... chromium-trilon B - complex solution.

Card 2/2

12
Leningrad, Leningradskoe gosudarstvennoe universitet, 190000, Leningrad, USSR.

Leningrad, Leningradskoe gosudarstvennoe universitet, 190000, Leningrad, USSR.

File no.: 190000, Leningrad, USSR.

27.02.1979.

St: Leningrad, Leningradskoe gosudarstvennoe universitet, 190000, Leningrad, USSR.

PEVZNER, I.A.D.

Organizatsiia remonta mashin v MTS i sovkhovakh (Organization of machinery repair at machine-tractor stations and state farms). Moskva, Sel'khozgiz, 1954. 221 p.

SO: Monthly List of Russian Accessions, Vol 7, No. 8, Nov. 1954.

SCV/107-59-4-2/45

9(2)

AUTHOR: Pevzner, I., Leningrad
TITLE: A Deflection Angle of 110° (Ugol otkloneniya 110°)
PERIODICAL: Radio, 1959, Nr 4, pp 27 - 30 (USSR)
ABSTRACT: The author discusses the features of the new kinescopes 43LK6B and 53LK5B which are presently being produced by Soviet industry. The deflection angle of the electron beam is 103° for the vertical, 87° for the horizontal and 110° for the diagonal deflection. The overall length of these tubes is 330 mm with a neck of 29 mm diameter. The voltage at the second anode of the 43LK6B is 14 kv and 16 kv on the 53LK5B. The new kinescopes have tetrode projectors and electrostatic focussing which does not require expensive focussing coils. Smoke-colored glass is used for increasing the contrast with a simultaneous reduction of the aureole which is typical for aluminized screens. Figure 3 shows a set of deflection

Card 1/2

ACC NR: AP7006053

SOURCE CODE: UR/0107/66/000/011/0029/0032

AUTHOR: Zabelin, K. (Engineer); Izyumov, N. (Engineer); Klibson, V. (Engineer);
Pevzner, I. (Engineer)

ORG: none

TITLE: "Vecher" television set

SOURCE: Radio, no. 11, 1966, 29-32

TOPIC TAGS: TV receiver, electronic equipment

ABSTRACT: The authors describe the "Vecher", a new Soviet television set put out by the Plant im. Kozitskiy in Leningrad. The new unit differs from previous sets both in external design and in the fact that it contains both tubes (8) and transistors (21) in addition to 25 semiconductor diodes. The parameters of this new set satisfy GOST requirements for second class television receivers. A complete schematic diagram is given with a detailed description of the operation of each stage. Construction is modular on a vertical chassis with printed circuits used in most modules. Provision is made for rotating the chassis through 180° and locking at 90° for facilitating inspection and repair of the unit. The channel selector is mounted on the front panel together with the T. V. tube and speakers. The other main control units (on-off switch, contrast, brightness, volume and tone controls) are located on top of the set. On the back of the set are auxiliary controls as well as jacks for antenna connection, earphone and tape recorder inputs, a fuse plug, and panels for connecting stereo and remote control attachments. The cabinet is made from wood and plastic. The set measures 610x480x340 mm overall and weighs about 25 kg. Orig. art. has: 2 figures. [JPRS: 39,548]

SUB CODE: 17, 09

Card 1/1

09270853

PEVZNER, I. (g.Leningrad)

Vinyl-plastic pipes have been installed in the house. Zhil.-
kom.khoz. 9 no.7:20-21 '59. (MIRA 12:11)

1. Glavnyy inzhener zhilishchno-ekspluatatsionnyy kontory
No.14 Smol'ninskogo rayona.
(Leningrad--Pipe,Plastic)

FILIPPOV, A.; PEVZNER, I.

Basic tasks in designing standard garages. Avt.transp. 33 no.12:
13-14 D '55. (MLRA 9:3)

1. Giproavtotrans. (Garages)

BYKOVA, I.N.; FEDOTOVA, G.Ya.; KOTYREVA, D.M.; PEVZNEV, I.I.

Determining the molecular weights of unsaturated polyacrylates by
titration of the end groups in nonaqueous solutions. Plast. massy
no.2:53-54 1966. MIRA 1966.

I 13883-06 ENT()/ENP(4)/T VW/DJ/RM/RE

ACC NR: AP6005518

SOURCE CODE: UR/0080/66/039/001/0200/0203

AUTHOR: Kreshkov, A. P.; Bykova, L. N.; Pevzner, I. D.; Skripko, L. A.

52

ORG: Moscow Chemical Technology Institute im. D. I. Mendeleev (Moskovskiy khimiko-
tehnologicheskii institut); Scientific Research Institute of Chemicals for Polymeric
Materials (Nauchno-issledovatel'skiy institut khimikatov dlya polimernykh materialov)

B

TITLE: Synthesis and analysis of secondary aromatic diamines used as stabilizers of
polymeric materials

15

SOURCE: Zhurnal prikladnoy khimii, v. 39, no.1, 1966, 200-203

TOPIC TAGS: stabilizer additive, fuel additive, lubricant additive, quantitative
analysis

ABSTRACT: A preparative method has been developed for synthesizing p-phenylenediamine
derivatives from N-phenyl-p-phenylenediamine. It is noted that such derivatives are
suitable as stabilizers for polymeric materials, motor fuels, and lubricating oils.
N-heptyl-, N-octyl-, and N-nonyl-N'-phenyl-p-phenylenediamine were prepared by alky-
lation of N-phenyl-p-phenylenediamine with the appropriate alcohol in the presence of
Raney nickel catalyst at 130—156C in 95.8—97.8% yields (based on the amine). Melting
points after recrystallization were 49—50, 52—53, and 54—55C, respectively. A
method of analysis was also developed for intermediate products containing mixtures of
N-phenyl-p-phenylenediamine and N-alkyl-N'-phenyl-p-phenylenediamines. The method

Card 1/2

UDC: 547.553.1/.2

L 13883-66

ACC NR: AP6005518

involves determination of primary and secondary amino groups of aromatic amines by titration after treatment with salicylaldehyde in a medium such as alcohols, ketones, or a 4/1 chloroform-methyl ethyl ketone mixture. The method is based on the fact that reaction products of primary amino groups with salicylaldehyde are less alkaline than the secondary amino group reaction products. Orig. art. has: 2 figures. [SM] 0

SUB CODE: 21

SUBM DATE: 18Dec64/. ORIG REF: 004/ OTH REF: 009/ ATD PRESS: 4193

KRESHKOV, A.P.; BYKOVA, L.N.; PEVZNER, I.D.

Analysis of diamines and their mixtures by titration in nonaqueous solutions. Dokl. AN SSSR 150 no.1:99-101 My '63. (MIRA 16:6)

1. Moskovskiy khimiko-tekhnologicheskii institut im. D.I. Mendeleeva. Predstavleno akademikom A.N.Nesmeyanovym.
(Amines) (Titration)

Name : PEVZNER, I. D.
Dissertation : Effective use of the machine-tractor
repair base in Leningrad Province
Degree : Cand Tech Sci
Defended At : Min Agriculture USSR, Leningrad Agri-
cultural Institute
Publication Date, Place : 1956, Leningrad
Source : Knizhnaya Letopis' No 6, 1957

PEVZNER, I.M., inzh.

Mechanized painting and drying production lines. Mashinostroitel'
no.3:5-7 Mr 59. (MIRA 12:3)
(Painting, Industrial--Equipment and supplies)

25(1)

AUTHOR: Pevarov, I. M. Engineer

TITLE: Mechanized Painting-and-Drying Lines. Mechanized
revnyayye shra (shra) iushchayye linii

PERIODICAL: Mashinostroyeniye, 1964, No 4, pp 1-2, 11-12, 13-14

ABSTRACT: The article points out a long-acted and acute problem of a bottleneck in the production of the Svyaznoye Kombaynovyye (Svyaznoye Combine Plant). The article contains a description of the new painting-and-drying lines for combine parts which are installed at the plant. Four lines are described: 1) for painting and subsequent hot-air drying and 2) for painting with spray sprayers and infrared drying. The first line (Figure 1) line 1) is equipped with a conveyor belt with suspension holders. It requires two workers. The other type, with spray chambers, is used for painting small parts. It is equipped with a conveyor belt on a pull chain. There are 4 lines in total.

Card 1/1

YEL'YASHKEVICH, Samuil Abramovich; PEVZNER, I.M., inzh., retsenzent; BABUK, G.V., inzh., retsenzent; PEVZNER, I.N., red.; ZHITNIKOVA, tekhn. red.

[Elimination of faults in television receivers] Ustranenie neispravnostei v televizore. 1zd.3., perer. i dop. Moskva, Gos. energ. izd-vo, 1961. 205 p. (Massovaia radiobiblioteka, no. 387)
(Television—Repairing)

KREMER, A.P.; BYKINA, I.N.; KRIPKO, L.A.; LEVIN, I.M.

Differentiated determining of diamines with the method of titration in nonaqueous solution. 23 no.12:47-50 D '64.

1. Moskovskiy khimiko-tekhnologicheskiy institut im. I.I. Mendeleeva i Nauchno-issledovatel'skiy institut khimicheskikh i polimernykh materialov.

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001240710017-8

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001240710017-8"

KRESHKOV, A.P.; BYKOVA, L.N.; PENTNER, I.D.

Potentiometric method of titration of diazines and their mixtures
in a medium of differentiating solvents. Zhur. anal. khim. 19 no. 7:
890-896 '84. (MIRA 17:11)

1. Mendeleev Moscow Chemical-Technological Institute.

1 12208 42
ACCESSION NR: RP0000301 EPP(e)/RNS/EXT(=) Pr-J RM/WJ/JW
S/0020/63/150/001/0099/0101

AUTHOR: Kreshkov, A. P.; Bykova, L. N.; Pevzner, I. D. 59
58

TITLE: The analysis of diamines and their mixtures by a non-aqueous titration method

SOURCE: AN SSSR. Doklady, v. 150, no. 1, 1963, 99-101

TOPIC TAGS: photometric titration, diamines, non-aqueous solvents, perchloric acid, chloroform-acetonitrile

ABSTRACT: A potentiometric titration of diamines and their mixtures in a medium of non-aqueous solvents is presented. Since many diamines are either insoluble in water or are very weak electrolytes, the volumetric methods of analysis in non-aqueous media has a greater perspective. The advantage is that, in the non-aqueous media, it is possible to determine the mixtures of diamine and their constants of dissociation which are very closely related by means of differentiation. The titration is performed with perchloric acid solution, 0.1 N, in a medium of chloroform-acetonitrile (4:1). From a number of investigated solvents chloroform-acetonitrile was found to be best for quantitative determination of diamines individually and in mixtures with a relative error of + or - 1% and + or - 3% respectively. The original article has: 2 tables and 2 figures.

Card 1/2

Ass: Moscow Chemical and Technological Inst.

YEL'YASHKEVICH, Samuil Abramovich; LEVYKIN, N.N., red.; FILIPPOV,
A.I., red.; ZHUK, Ya.M., red.; ZHEGALOV, I.S., red.;
ZINOV'YEV, G.P., red.; KOLYSEV, P.P., red.; POCHINOV,
M.N., red.; KHUDYAKOV, M.A., red.; LEVZNER, I.M., red.;
SOBOLEVA, Ye.M., tekhn. red.

[Handbook on television receivers] Spravochnik po televi-
zionnym priemnikam. Izd.3., perer. i dop. Moskva, Izd-vo
"Energia," 1964. 271 p. (MIRA 17:4)

PEVZNER, I.M.

Attachment for dressing grinding wheels on centerless grinding machines. Stan. 1 instr. 26 no.7:31 J1 '55. (MLBA 8:9)
(Grinding wheels)

YEL'YASHKEVICH, Samuil Abramovich; PEVZNER, I.N., red.; LARIONOV,
G.Ye., tekhn. red.

[Repair of television receivers] Ustranenie neispravnostei
v televizore. Izd.3., perer. 1 dop. Moskva, Gosenergoizdat
1963. 207 p. (Massovaya radiobiblioteka, no.387)

(MIRA 16:6)

(Television--Maintenance and repair)